Montana Board of Oil and Gas Conservation Environmental Assessment

Operator: KeeSun Corporation Well Name/Number: Keesun #2-2-1-25 Sindelar Location: (NW NE) Lot 2 Section 2 T1N R25E County: Yellowstone MT; Field (or Wildcat) Wildcat **Air Quality** (possible concerns) Long drilling time: No, 4 to 5 days drilling time. Unusually deep drilling (high horsepower rig): No, small single derrick drilling rig, about 500 HP (Estimated) to drill to 3000' TD. Possible H2S gas production: No H2S anticipated. In/near Class I air quality area: No not in a Class I air quality area. Air quality permit for flaring/venting (if productive): Yes, DEQ air quality permit required under 75-2-211. Mitigation: X Air quality permit (AQB review) __ Gas plants/pipelines available for sour gas __ Special equipment/procedures requirements Other: Comments: No special concerns – using small rig to drill to 3000' TD. If there aren't any gas gathering system nearby, associated gas can be flared under Board Rule 36.22.1220. **Water Quality** (possible concerns) Salt/oil based mud: No, freshwater and freshwater mud system. High water table: No high water table anticipated. Surface drainage leads to live water: No, closest drainages are unnamed ephemeral tributary drainages to Five Mile Creek, about ½ of a mile to the south and about 5/8 of a mile to the east from this location. Water well contamination: No, closest water wells are about 1/4 of a mile to the southeast and about 7/8 of a mile to the southwest from this location. Depth of these irrigation wells range from 37' to 40'. Surface hole in this well will be drilled to 350' with freshwater and/or air. Steel surface casing will be run and cemented to surface to protect ground water. (Rule 36.22.1001) Porous/permeable soils: No, sandy silty bentonitic soils. Class I stream drainage: No Class I stream drainages. Mitigation: Lined reserve pit X Adequate surface casing __ Berms/dykes, re-routed drainage __ Closed mud system ___ Off-site disposal of solids/liquids (in approved facility) Other: Comments: 350' of surface casing cemented to surface adequate to protect

freshwater zones (Rule 36.22.1001) Also, fresh water mud systems to be used.

Soils/Vegetation/Land Use

Threatened or endangered Species: Only species identified as threatened or
endangered are
the Black-footed Ferret and the Whooping Crane. Candidate species listed are the
<u>Sprague's</u>
Pipit and the Greater Sage Grouse. NH tracker website lists only ten(10) species of
concern as
the Townsend's Big-eared Bat, Black-tailed Prairie Dog, Spotted Bat, Burrowing Owl,
<u>Greater</u>
Sage Grouse, Pinyon Jay, Western Hog Nosed Snake, Milksnake, Greater Short-horned
<u>Lizard,</u>
and the Common Sagebrush Lizard. NH Tracker website lists one(1) Potential Species
<u>of</u>
Concern: Eastern Sreech Owl.
Mitigation:
Avoidance (topographic tolerance/exception)
Other agency review (DFWP, federal agencies, DSL)
Screening/fencing of pits, drillsite
Other:
Comments: Private surface grassland. There may be species of concern that
maybe impacted by this wellsite. We ask the operator to consult with the surface owner
as to what he would like done, if a species of concern is discovered at this location. The
Board of Oil & Gas has no jurisdiction over private surface lands.
Historical/Cultural/Paleontological
(possible concerns)
Proximity to known sites: None identified
Mitigation
avoidance (topographic tolerance, location exception)
other agency review (SHPO, DSL, federal agencies)
Other:
Comments: Private surface grasslands. There may be possible
historical/cultural/paleontological sites that maybe impacted by this wellsite. We ask the
operator to consult with the surface owner as to his desires to preserve these sites or
not, if they are found during construction of the wellsite. The Board of Oil & Gas has no
jurisdiction over private surface lands.
Social/Economic
(possible concerns)
(possible concerns) Substantial effect on tax base
(possible concerns) Substantial effect on tax base Create demand for new governmental services
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Summary: Evaluation of Impacts and Cumulative effects

mitigated.
I conclude that the approval of the subject Notice of Intent to Drill (does/ <u>does not</u>) constitute a major action of state government significantly affecting the quality of the human environment, and (does/ <u>does not</u>) require the preparation of an environmental impact statement.
Prepared by (BOGC): /s/ Steven Sasaki(title:) Chief Field Inspector Date: May 7, 2013
Other Persons Contacted:
Montana Bureau of Mines and Geology, GWIC website (Name and Agency) Toole County water wells. (subject discussed) May 7, 2013 (date)
US Fish and Wildlife, Region 6 website (Name and Agency) ENDANGERED, THREATENED, PROPOSED AND CANDIDATE SPECIES MONTANA COUNTIES, Yellowstone County (subject discussed) May 7, 2013 (date)
Montana Natural Heritage Program Website (FWP) (Name and Agency) Heritage State Rank= S1, S2, S3, T1N R25E (subject discussed)
May 7, 2013 (date)
If location was inspected before permit approval: Inspection date: Inspector: Others present during inspection: